

MTIPO001US

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Examiner: Jonathan S. Crepeau

Title of Invention: Fuel Cell Control and Measurement Apparatus and Method, using Dielectric Constant Measurements

Inventor: Acker et al.

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## DETAILED REPLY TO AUGUST 19, 2003 FINAL OFFICE ACTION

Following is a detailed reply to the above-referenced office action.

OFFICIAL

5 REQUEST FOR TELEPHONE INTERVIEW BEFORE SUBSEQUENT OFFICE ACTION

If any issues remain prior to this application being fully in condition for allowance, applicants hereby respectfully request a telephone interview with Examiner Jonathan S. Crepeau to resolve any such remaining issues prior to issuing any further action.

OK to enter  
(n) 11-5-03AMENDMENTS

Please amend claims 20, 40, 43 and 44 as shown below. All other claims are unchanged.

- 1 1. (Original) A fuel cell system, comprising:
- 2 a fuel cell mixing apparatus into which can be fed a source
- 3 fuel and a diluting fluid, capable of mixing said source fuel
- 4 and said diluting fluid together in a desired mixing proportion
- 5 into a fuel mix, and capable of outputting said fuel mix for
- 6 feeding to a fuel cell; and
- 7 a fuel mix dielectric constant sensor capable of measuring
- 8 a fuel mix dielectric constant of said fuel mix output from said
- 9 fuel cell mixing apparatus, thereby enabling actual relative